

## Division of Energy

### Missouri Comprehensive Statewide Energy Plan Working Group Structure

#### OVERVIEW

Executive Order 14-06, signed by Governor Nixon in June 2014, directed the Missouri Department of Economic Development's Division of Energy to lead the development of a Comprehensive State Energy Plan for the state of Missouri. The development of Missouri's Comprehensive Statewide Energy Plan (Plan) is an open, transparent, and collaborative process that leverages input and insight from business leaders, energy innovators, and members of the public. The depth of knowledge, diverse perspectives, and commitment to the process of individuals participating in the Working Groups is critical to the Plan's development.

#### WORKING GROUPS

In an effort to provide continued opportunities for interested parties to provide input into the development of the Plan, the Division of Energy will establish working groups that are representative of key stakeholders.

Six technical Working Groups will be formed to focus on the specific energy topics identified in the Executive Order. (Table 1)

Table 1. Working Group Topics

Working Group	Topics Covered
<b>Working Group #1 – Electricity Generation, Fuels and Resource Extraction</b>	Generating electric power from sources of primary energy such as coal, natural gas, nuclear and utility-scale and distributed generation from renewable sources such as wind, solar, biomass and hydroelectric.  Resource extraction of coal and natural gas, including hydraulic fracturing (fracking), renewable biofuels production for transportation (ethanol and biodiesel) and propane supplies.

Working Group	Topics Covered
<b>Working Group #2 – Energy Distribution and Storage</b>	<p>Pipelines, propane distribution, electric transmission lines, and electric distribution issues including smart grid (remote technologies used to modernize the electric utility grid) and distributed generation.</p> <p>Storing available energy or energy resources to be used at a later time. This could include storage of electricity through thermal, mechanical or chemical processes utilizing technologies such as batteries, flywheels, electrochemical capacitors, superconducting magnetic energy storage, power electronics and control systems. Storage of fuels such as natural gas, propane and petroleum could be considered as well.</p>
<b>Working Group #3 – Energy Usage</b>	<p>Energy efficiency in buildings (new construction and retrofits), appliances, space conditioning and lighting, commercial and industrial operations, at military installations and in the agricultural sector.</p> <p>Demand response, which is an intentional change in electricity use patterns usually at times of high prices or demand.</p> <p>Alternative transportation fuels from fossil fuels such as compressed natural gas (CNG), liquefied natural gas (LNG) and propane as well as electric vehicles.</p>
<b>Working Group #4 – Energy and the Environment (Air, Land, and Water)</b>	<p>Land use and natural resources to meet our energy needs including waste disposal such as coal combustion residue. This topic will also include land use considerations associated with biofuels.</p> <p>Interdependencies between water and energy systems including water use for fuel extraction or manufacturing, cooling water for electric generation, barge transportation, water end-use efficiency and water and wastewater treatment efficiency.</p> <p>Impact of energy generation to air, including criteria pollutants and greenhouse gas emissions.</p>
<b>Working Group #5 – Energy Pricing and Rate Setting Processes</b>	<p>Electric, natural gas and water utility regulatory processes and structures related to pricing and setting rates for consumers and how current and emerging market forces can be addressed while assuring consumer affordability. This could also address issues associated with prices of other fuels such as propane and transportation fuels.</p>

Working Group	Topics Covered
<b>Working Group #6 – Energy Security, Assurance and Resources in Emergencies</b>	<p>Efforts to ensure a secure and reliable energy infrastructure (including electricity, oil, natural gas, propane and petroleum fuels) by reducing risk and vulnerabilities from severe weather, system failures, deliberate attacks and other events.</p> <p>Energy emergency response efforts to assure that critical infrastructure facilities such as power plants, critical care facilities, fuel distribution systems and other essential services have the energy resources they need to operate in times of natural or man-made disasters.</p>

These Working Groups will serve as a forum to:

- 1) Obtain guidance on specific topics.
- 2) Receive feedback on research approaches and Plan development.
- 3) Obtain access to industry information, published papers and research (public or private), data, and industry contacts.
- 4) Develop content for the Plan.

#### A) Expectations of Working Group Participants

- Each Working Group will hold a minimum of four meetings totaling approximately 15-20 hours of involvement over a three-month period and participants are expected to actively contribute to the group and to share in the development and completion of work.
- Participants are expected to be active in discussions and to facilitate access to information and materials. Participants will be asked to participate in the development of the Plan through any of the following:
  - Contribute ideas and knowledge to working group discussions;
  - Act as liaisons between the Working Group and their respective stakeholder groups or constituencies;
  - Ensure that stakeholder group or constituency statements are developed in an informed and timely way; and
  - Review and provide feedback, as requested, on certain draft sections of the Plan relative to that Working Group's section.
  - Contribute to a process that is thoughtful, well-reasoned and common sense.
- All Working Group meetings will operate under the principles of transparency and openness, which means that an attendance record may be kept of every meeting and meetings may be recorded and/or transcribed.
- Working Group discussions will be objective and based on evidence and factual knowledge.
- Participants understand that the Division of Energy has final approval and editing authority for all Plan documents.

## B) Working Group Logistics

Each Working Group will convene via conference calls that are anticipated to be 1 hour and 30 minutes in length. A tentative meeting schedule is presented below.

Table 2. Working Group Schedule

	Meeting 1	Meeting 2	Meeting 3	Meeting 4
<b>Working Group #1 – Electricity Generation, Fuels and Resource Extraction</b>	Wednesday 11/19/2014  9:00 am – 10:30 am	Wednesday 12/10/2014  9:00 am – 10:30 am	Wednesday 01/07/2015  9:00 am – 10:30 am	Wednesday 02/18/2015  9:00 am – 10:30 am
<b>Working Group #2 – Energy Distribution and Storage</b>	Wednesday 11/19/2014  11:30 am – 1:00 pm	Wednesday 12/10/2014  11:30 am – 1:00 pm	Wednesday 01/07/2015  11:30 am – 1:00 pm	Wednesday 02/18/2015  11:30 am – 1:00 pm
<b>Working Group #3 – Energy Usage</b>	Wednesday 11/19/2014  2:00 pm – 3:30 pm	Wednesday 12/10/2014  2:00 pm – 3:30 pm	Wednesday 01/07/2015  2:00 pm – 3:30 pm	Wednesday 02/18/2015  2:00 pm – 3:30 pm
<b>Working Group #4 – Energy and the Environment (Air, Land, and Water)</b>	Friday 11/21/2014  9:00 am – 10:30 am	Friday 12/12/2014  9:00 am – 10:30 am	Friday 01/09/2015  9:00 am – 10:30 am	Friday 02/20/2015  9:00 am – 10:30 am
<b>Working Group #5 – Energy Pricing and Rate Setting Processes</b>	Friday 11/21/2014  11:30 am – 1:00 pm	Friday 12/12/2014  11:30 am – 1:00 pm	Friday 01/09/2015  11:30 am – 1:00 pm	Friday 02/20/2015  11:30 am – 1:00 pm
<b>Working Group #6 – Energy Security, Assurance and Resources in Emergencies</b>	Friday 11/21/2014  2:00 pm – 3:30 pm	Friday 12/12/2014  2:00 pm – 3:30 pm	Friday 01/09/2015  2:00 pm – 3:30 pm	Friday 02/20/2015  2:00 pm – 3:30 pm